



COPY OF PAPERS  
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3642\_Sequence\_Listing.txt

# Sequence Listing

<110> Syngene Gesellschaft zur Erforschung und Entwicklung  
auf dem Gebiet der Biotechnologie mbH

<120> Peptides for the Production of Preparations  
for the Diagnosis and Therapy of Autoimmune Diseases

<130> 3642

<140> US Serial Number 09/988,165

<141> 11/19/2001

<150> US Serial Number 07/946,180

<151> 09/16/1992

<160> 31

<210> 1

<211> 25

<212> PRT

<213> human

<400> 1

Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala  
1 5 10 15

Lys Pro Lys Lys Ala Ala Pro Lys Lys Lys  
20 25

<210> 2

<211> 25

<212> PRT

<213> human

<400> 2

Lys Pro Lys Ala Ala Lys Ala Arg Val Thr Lys Pro Lys Thr Ala  
1 5 10 15

Lys Pro Lys Lys Ala Ala Pro Lys Lys Lys  
20 25

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<210> 3

<211> 25

<212> PRT

<213> human

<400> 3

Ala Ala Lys Ala Val Lys Pro Lys Ala Ala Lys Pro Lys Val Val  
 1 5 10 15  
 Lys Pro Lys Lys Ala Ala Pro Lys Lys Lys  
 20 25

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<211> 25

<212> PRT

<213> human

<400> 4

Lys Pro Lys Ala Ala Lys Pro Lys Ser Gly Lys Pro Lys Val Thr  
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 Lys Ala Lys Lys Ala Ala Pro Lys Lys Lys  
 20 25

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<211> 25

<212> PRT

<213> human

<400> 5

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 Lys Pro Lys Ala Ala Ala Ala Lys Lys Lys  
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Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala  
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Lys Ala Lys Lys Ala Ala Ala Lys Lys Lys  
20 25

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<211> 27

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<400> 7

Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala  
1 5 10 15

Lys Pro Lys Ala Lys Lys Ala Ala Ala Lys Lys Ala  
20 25

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<211> 35

<212> PRT

<213> human

<400> 8

Pro Glu Pro Ala Lys Ser Ala Pro Ala Pro Lys Lys Gly Ser Lys  
1 5 10 15

Lys Ala Val Thr Lys Ala Gln Lys Lys Asp Gly Lys Lys Arg Lys  
20 25 30

Arg Ser Glu Lys Glu  
35

<210> 9

<211> 41

<212> PRT

<213> human

<400> 9

Ser Tyr Ser Val Tyr Val Tyr Lys Val Leu Lys Gln Val His Pro  
1 5 10 15

Asp Thr Gly Ile Ser Ser Lys Ala Met Gly Ile Met Asn Ser Phe  
20 25 30

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Val Asn Asp Ile Phe Glu Arg Ile Ala Gly Glu  
                   35                  40

<210> 10

<211> 27

<212> PRT

<213> bovine

<400> 10

Ala Pro Ala Ala Pro Ala Ala Ala Pro Pro Ala Glu Lys Thr Pro  
   1                  5                  10                  15

Val Lys Lys Lys Ala Ala Lys Lys Pro Ala Gly Ala  
                   20                  25

<210> 11

<211> 21

<212> PRT

<213> bovine

<400> 11

Arg Ser Gly Val Ser Leu Ala Ala Leu Lys Lys Ala Leu Ala Ala  
   1                  5                  10                  15

Ala Gly Tyr Asp Val Glu  
                   20

<210> 12

<211> 20

<212> PRT

<213> bovine

<400> 12

Thr Lys Gly Thr Gly Ala Ser Gly Ser Phe Lys Leu Asn Lys Lys  
   1                  5                  10                  15

Ala Ala Ser Gly Glu  
                   20

<210> 13

<211> 41

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<212> PRT

<213> bovine

<400> 13

Lys Asn Asn Ser Arg Ile Lys Leu Gly Leu Lys Ser Leu Val Ser  
 1 5 10 15  
 Lys Gly Thr Leu Val Glu Thr Lys Gly Thr Gly Ala Ser Gly Ser  
 20 25 30  
 Phe Lys Leu Asn Lys Lys Ala Ala Ser Gly Glu  
 35 40

<210> 14

<211> 51

<212> PRT

<213> bovine

<400> 14

Ala Leu Ala Ala Ala Gly Tyr Asp Val Glu Lys Asn Asn Ser Arg  
 1 5 10 15  
 Ile Lys Leu Gly Leu Lys Ser Leu Val Ser Lys Gly Thr Leu Val  
 20 25 30  
 Glu Thr Lys Gly Thr Gly Ala Ser Gly Ser Phe Lys Leu Asn Lys  
 35 40 45  
 Lys Ala Ala Ser Gly Glu  
 50

<210> 15

<211> 62

<212> PRT

<213> bovine

<400> 15

Arg Ser Gly Val Ser Leu Ala Ala Leu Lys Lys Ala Leu Ala Ala  
 1 5 10 15  
 Ala Gly Tyr Asp Val Glu Lys Asn Asn Ser Arg Ile Lys Leu Gly  
 20 25 30  
 Leu Lys Ser Leu Val Ser Lys Gly Thr Leu Val Glu Thr Lys Gly  
 35 40 45  
 Thr Gly Ala Ser Gly Ser Phe Lys Leu Asn Lys Lys Ala Ala Ser  
 50 55 60

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Gly Glu

<210> 16

<211> 25

<212> PRT

<213> bovine

<400> 16

Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala Lys Pro Lys Ala Ala  
 1 5 10 15  
 Lys Pro Lys Lys Ala Lys Pro Lys Lys Lys  
 20 25

<210> 17

<211> 35

<212> PRT

<213> bovine or human

<400> 17

Pro Glu Pro Ala Lys Ser Ala Pro Ala Pro Lys Lys Gly Ser Lys  
 1 5 10 15  
 Lys Ala Val Thr Lys Ala Gln Lys Lys Asp Gly Lys Lys Arg Lys  
 20 25 30  
 Arg Ser Glu Lys Glu  
 35

<210> 18

<211> 41

<212> PRT

<213> bovine or human

<400> 18

Ser Tyr Ser Val Tyr Val Tyr Lys Val Leu Lys Gln Val His Pro  
 1 5 10 15  
 Asp Thr Gly Ile Ser Ser Lys Ala Met Gly Ile Met Asn Ser Phe  
 20 25 30  
 Val Asn Asp Ile Phe Glu Arg Ile Ala Gly Glu  
 35 40

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<210> 19

<211> 17

<212> PRT

<213> bovine or human

<400> 19

Ala Ser Arg Leu Ala His Tyr Asn Lys Arg Ser Thr Ile Thr Ser  
1 5 10 15

Arg Glu

<210> 20

<211> 12

<212> PRT

<213> bovine or human

<400> 20

Ile Gln Thr Ala Val Arg Leu Leu Leu Pro Gly Glu  
1 5 10

<210> 21

<211> 8

<212> PRT

<213> bovine or human

<400> 21

Leu Ala Lys His Ala Val Ser Glu  
1 5

<210> 22

<211> 22

<212> PRT

<213> bovine or human

<400> 22

Gly Thr Lys Ala Val Thr Lys Tyr Thr Ser Ser Lys  
1 5 10

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<210> 23

<211> 21

<212> PRT

<213> bovine or human

<400> 23

Pro Glu Pro Ala Lys Ser Ala Pro Ala Pro Lys Lys Gly Ser Lys  
1 5 10 15

Lys Ala Val Thr Lys Ala  
20

<210> 24

<211> 8

<212> PRT

<213> bovine or human

<400> 24

Ala Lys Ser Ala Pro Ala Pro Lys  
1 5

<210> 25

<211> 22

<212> PRT

<213> bovine or human

<400> 25

Ser Gly Arg Gly Lys Gln Gly Gly Lys Ala Arg Ala Lys Ala Lys  
1 5 10 15

Thr Arg Ser Ser Arg Ala Gly  
20

<210> 26

<211> 129

<212> PRT

<213> bovine or human

<400> 26



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Ser Gly Arg Gly Lys Gln Gly Gly Lys Ala Arg Ala Lys Ala Lys
 1      5      10      15
Thr Arg Ser Ser Arg Ala Gly Leu Gln Phe Pro Val Gly Arg Val
      20      25      30
His Arg Leu Leu Arg Lys Gly Asn Tyr Ala Glu Arg Val Gly Ala
      35      40      45
Gly Ala Pro Val Tyr Leu Ala Ala Val Leu Glu Tyr Leu Thr Ala
      50      55      60
Glu Leu Leu Glu Leu Ala Gly Asn Ala Ala Arg Asp Asn Lys Lys
      65      70      75
Thr Arg Ile Ile Pro Arg His Leu Gln Leu Ala Ile Arg Asn Asp
      80      85      90
Glu Glu Leu Asn Lys Leu Leu Gly Lys Val Thr Ile Ala Gln Gly
      95     100     105
Gly Val Leu Pro Asn Ile Gln Ala Val Leu Leu Pro Lys Lys Thr
     110     115     120
Glu Ser His His Lys Ala Lys Gly Lys
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<210> 27

<211> 5

<212> PRT

<213> mammalian

<400> 27

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Lys Pro Lys Ala Ala
 1      5

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<210> 28

<211> 5

<212> PRT

<213> mammalian

<400> 28

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Lys Pro Lys Lys Ala
 1      5

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<210> 29

<211> 5

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<212> PRT

<213> mammalian

<400> 29

Lys Ala Lys Lys Ala  
1 5

<210> 30

<211> 5

<212> PRT

<213> mammalian

<400> 30

Ala Pro Lys Lys Lys  
1 5

<210> 31

<211> 5

<212> PRT

<213> mammalian

<400> 31

Ala Ala Lys Lys Ala  
1 5